

TABLE 52

**R&D paid for by the company and others and performed by the company outside of the United States, by selected location: 2019**

(Millions of U.S. dollars)

Location	Total		Paid for by the company		Paid for by others	
Total	104,464		93,944		10,519	i
Puerto Rico <sup>a</sup>	539	i	519	i	20	
Canada	6,862		6,193		669	
Latin America and Other Western Hemisphere	5,407	i	4,944		463	i
Argentina	402		287		115	i
Brazil	1,493		1,347		146	i
Chile	117		95		23	i
Mexico	1,022		937		85	i
Other Latin American and Western Hemisphere locations	2,373	i	2,278	i	95	
Africa	372		280		92	i
South Africa	229	i	142		87	i
Other African locations	143		138		5	i
Asia and Pacific	32,458		30,227		2,231	i
Australia	2,032		1,873		159	i
China	8,195		7,666		528	
Hong Kong	396		375		21	i
India	9,846		9,484		362	i
Indonesia	24		23		1	i
Japan	4,090		3,461		629	i
Malaysia	838		827		11	i
New Zealand	274		239		35	
Singapore	2,376		2,187		189	i
South Korea	1,451		1,308		143	i
Taiwan	1,775		1,677		98	
Thailand	380		355		25	i
Other Asian or Pacific locations	780		751		29	i
Europe	48,764		43,111		5,652	i
Austria	651	i	595	i	56	i
Belgium	2,324		2,150		174	i
Czechia	527		464		62	i
Denmark	593		551		42	i
Finland	600		564		35	
France	3,313		2,831		481	
Germany	8,879		8,399		480	i
Hungary	246		163		84	i
Ireland	4,207		4,071		135	
Italy	1,611		1,382		229	
Luxembourg	274		269		5	
Netherlands	2,108		1,832		276	i
Norway	363		354		9	
Poland	958		800		159	i
Russia	492		364		128	i
Spain	1,033		843		190	i
Sweden	1,247		1,185		62	i
Switzerland	4,536		4,025		512	
Turkey	159		136		23	i
United Kingdom	11,797		9,545		2,252	i
Other European locations	2,847		2,588		259	i
Middle East	6,342		6,231		112	i
Israel	5,974		5,870		104	i

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Other Middle Eastern locations	369	i	361	i	8	i
Undistributed	3,720	i	2,441	i	1,279	i

i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

<sup>a</sup> Puerto Rico is not included in the U.S. total due to its classification as a U.S. territory.

**Note(s):**

Detail may not add to total because of rounding. Country detail was not collected from companies reporting less than \$1 million of R&D paid for by the company or reporting less than \$1 million of R&D paid for by others. Beginning in survey year 2018, statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D. This change has affected the comparability of these estimates with estimates published for years prior to 2018.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2019.